

Title (en)

APPARATUS FOR CREATING A VENOUS VALVE FROM AUTOLOGOUS TISSUE

Title (de)

VORRICHTUNG ZUR HERSTELLUNG EINER VENENKLAPPE AUS AUTOLOGEM GEWEBE

Title (fr)

APPAREIL PERMETTANT DE FORMER UNE VALVULE VEINEUSE À PARTIR D'UN TISSU AUTOLOGUE

Publication

EP 2536353 B1 20221012 (EN)

Application

EP 11703331 A 20110127

Priority

- US 70690010 A 20100217
- US 2011023168 W 20110127

Abstract (en)

[origin: US2011202124A1] An implantable prosthesis for percutaneous placement within a vein that forces opposing portions of the vessel wall of a vein together to create a new valve of autologous vein tissue to be operable to alternate between a valve closed configuration and a valve open configuration. When in a preset closed configuration, the implantable prosthesis pushes or pulls portions of the vessel wall of the vein together to substantially close the vein lumen and prevent retrograde blood flow from backflowing through the new valve in the valve closed configuration. The implantable prosthesis has leg portions that may be pushed apart in response to antegrade blood flow through the vein to allow the new valve to achieve the valve open configuration.

IPC 8 full level

A61F 2/24 (2006.01); **A61B 17/00** (2006.01); **A61B 17/12** (2006.01)

CPC (source: EP US)

A61F 2/2475 (2013.01 - EP US); **A61B 2017/00783** (2013.01 - EP US); **A61F 2/2427** (2013.01 - EP US); **A61F 2/2442** (2013.01 - EP US)

Citation (examination)

- WO 9740755 A1 19971106 - GORE & ASS [US]
- EP 0326426 A2 19890802 - NIPPON MEDICAL SUPPLY [JP]
- US 5792155 A 19980811 - VAN CLEEF JEAN-FRANCOIS [FR]

Cited by

US11793640B2; US11931254B2; US11737872B2; US11497602B2; US11779742B2; US11602429B2; US11998447B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 2011202124 A1 20110818; US 8292948 B2 20121023; EP 2536353 A1 20121226; EP 2536353 B1 20221012; WO 2011102958 A1 20110825

DOCDB simple family (application)

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